



Supplemental Figure S4. Representative retrotransposition results of the tagged consensus Alu subfamilies driven by the ORF2 protein of the different L1 subfamilies. HeLa cells (ATCC CCL2) were seeded in 6 well plates at a density of 1.0×10^5 cells per well. The cells were transfected with $1 \mu\text{g}$ of the ORF2 expression vector (pBudORF2PA1, pBudORF2PA4 or pBudORF2PA8) and varying amounts of the tagged Alu subfamily constructs ($0 \mu\text{g} - 1 \mu\text{g}$). Under these conditions no colonies were observed when ORF2 was supplemented. Asterisks indicate that the retrotransposition of the older Alu element (AluJo) is significantly lower than the modern/young AluYa5, paired t-test, $p < 0.001$